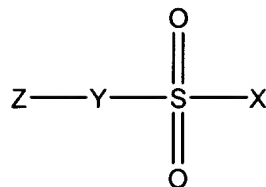


In the claims

1-33. (Canceled)

34. (Currently amended) A coating comprising an effective amount of an anti-fouling compound of structure 1:



1

wherein

X represents -OH, F, Cl, or Br;

Y represents O;

Z represents 4-(2-methylpropyl)phenyl, 4-(1,1-dimethylethyl)phenyl, 4-(1,1-dimethylpropyl)phenyl, 4-pentylphenyl, 4-(1-methyl-1-phenylethyl)phenyl, or 4-(1-methylheptyl)phenyl ~~an unsubstituted or substituted moiety selected from the group consisting of~~ aryl, heteroaryl, aralkyl, and heteroaralkyl; ~~wherein when Z is substituted, any substituent is selected from the group consisting of halo, azido, alkyl, aralkyl, alkynyl, cycloalkyl, alkoxy, nitro, imino, amido, silyl, alkylthio, sulfonyl, sulfonamido, acyl, formyl, heterocyclyl, aryl, heteroaryl, and trifluoromethyl;~~ wherein the coating releases the compound or a biologically active fragment thereof when in contact with a surface that is amenable to biofouling, wherein the coating is a vinyl polymer, acrylic polymer, resin, elastomeric polymer, wax, polyester, acrylate polymer, polyurethane, latex, fluoropolymer, or silicone coating.

35-114. (Canceled)